

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

MILK BEVERAGE

[] is attached hereto.

[x] was filed on 21 March 2000 as U.S. Application Serial No. _____ (Atty Dkt # 1417-305).

[] was filed as PCT international application No. _____ on _____

and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. 1.56(a). I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Prior Foreign Application(s):

Application Number

Country

Day/Month/Year Filed

11-079346

Japan

24 March 1999

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56(a) which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patented,

pending, abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint **NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Road, Arlington, Virginia 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr., 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37344. *

1) **Inventor's Signature**

Inventor's Name (typed)

Akihiro

Middle Initial

OGAWA

Family Name

Japanese

Citizenship

Residence (City)

Yokohama-shi, Kanagawa-ken

(State/Foreign Country)

Japan

Post Office Address

c/o Mitsubishi Chemical Corporation Yokohama Research Center, 1000, Kamoshida-cho,
Aoba-ku, Yokohama-shi, Kanagawa-ken, 227-8502 Japan

FOR ADDITIONAL INVENTORS, check box [x] and attach sheet with same information and signature and date for each.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2) Inventor's Signature Toshiya Katsuragi Date March 31, 2000
Inventor's Name (typed) Toshiya KATSURAGI Japanese
First Middle Initial Family Name Citizenship
Residence (City) Yokohama-shi, Kanagawa-ken (State/Foreign Country) Japan
Post Office Address c/o Mitsubishi Chemical Corporation Yokohama Research Center, 1000, Kamoshida-cho,
Aoba-ku, Yokohama-shi, Kanagawa-ken, 227-8502 Japan

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

RECORDATION FORM COVER SHEET

PATENTS ONLY

Our Ref.: 1417-305

Commissioner of Patents and Trademarks
x Assignment, Washington, D.C. 20231

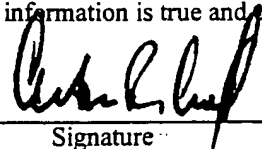
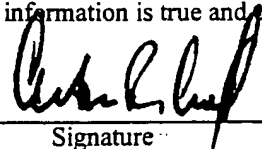
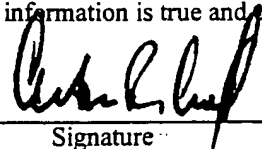
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Akihiro OGAWA Toshiya KATSURAGI</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: _____ March 31, 2000</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Mitsubishi Chemical Corporation</u> Internal Address: _____ Street Address: <u>5-2 Marunouchi, 2-chome</u> _____ City: <u>Chiyoda-ku</u> State/Country: <u>Tokyo</u> Zip: <u>Japan</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
---	--

<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____</p> <table border="0"><tr><td>A. Patent Application No(s). (1) 09/532,024 (2) (3)</td><td>B. Patent No(s). (1) (2) (3)</td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		A. Patent Application No(s). (1) 09/532,024 (2) (3)	B. Patent No(s). (1) (2) (3)
A. Patent Application No(s). (1) 09/532,024 (2) (3)	B. Patent No(s). (1) (2) (3)		

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Arthur R. Crawford</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any <u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. <u>14-1140</u>.</p>
--	--

DO NOT USE THIS SPACE

<p>9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <table border="0"><tr><td><u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327</td><td> Signature</td><td><u>June 13, 2000</u> Date</td></tr></table> <p>Total number of pages including original cover sheet, attachments, and document: [3]</p>			<u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327	 Signature	<u>June 13, 2000</u> Date
<u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327	 Signature	<u>June 13, 2000</u> Date			

ASSIGNMENT OF PATENT APPLICATION

(Inventors) (Akihiro OGAWA
(Toshiya KATSURAGI

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **(Mitsubishi Chemical Corporation**

(Address) **(of 5-2 Marunouchi, 2-chome, Chiyoda-ku, Tokyo, Japan**

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as

(Title) **MILK BEVERAGE**

(Case No. 1417-305)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in

(U.S. appln. Serial No. 09/532,024 , filed on **March 21, 2000**

(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date March 31, 2000 Signature of inventor (Akihisa Ogawa)

Date March 31, 2000 Signature of inventor (Toshiji Katunagi)

Witnessed by: _____ Date _____

Witnessed by: _____ Date _____



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 09, 2000

PTAS

NIXON & VANDERHYE P.C.
ARTHUR R. CRAWFORD
1100 NORTH GLEBE ROAD
8TH FLOOR
ARLINGTON, VA 22201



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/13/2000

REEL/FRAME: 010853/0857
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
OGAWA, AKIHIRO

DOC DATE: 03/31/2000

ASSIGNOR:
KATSURAGI, TOSHIYA

DOC DATE: 03/31/2000

ASSIGNEE:
MITSUBISHI CHEMICAL CORPORATION
5-2 MARUNOUCHI, 2-CHOME
CHIYODA-KU, TOKYO, JAPAN

SERIAL NUMBER: 09532024
PATENT NUMBER:

FILING DATE: 03/21/2000
ISSUE DATE:

LAWAN FLETCHER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

06-19-2000

RE

ET



101383656

Our Ref.: 1417-305

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Akihiro OGAWA Toshiya KATSURAGI</p> <p>Additional name/s of conveying party/ies attached <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: <u>March 31, 2000</u></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Mitsubishi Chemical Corporation</u> Internal Address: _____ Street Address: <u>5-2 Marunouchi, 2-chome</u> _____ City: <u>Chiyoda-ku</u> State/Country: <u>Tokyo</u> Zip: <u>Japan</u></p> <p>Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
---	--

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____

<p>A. Patent Application No(s). (1) <u>09/532,024</u> (2) _____ (3) _____</p>	<p>B. Patent No(s). (1) _____ (2) _____ (3) _____</p>
---	---

Additional numbers attached ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Arthur R. Crawford</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u></p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. <u>14-1140</u>.</p>
--	---

DO NOT USE THIS SPACE

9. Statements and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

<p><u>Arthur R. Crawford</u> Name of Person Signing Reg. No. 25,327</p>	<p><u></u> Signature</p>	<p><u>June 13, 2000</u> Date</p>
---	------------------------------	--------------------------------------

Total number of pages including original cover sheet, attachments, and document: [3]

06/14/2000 MMAR:MOL 00000071 09532024

03 FC:581

40.00 DP

ASSIGNMENT OF PATENT APPLICATION

(Inventors) (Akihiro OGAWA
(Toshiya KATSURAGI

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **(Mitsubishi Chemical Corporation**

(Address) **(of 5-2 Marunouchi, 2-chome, Chiyoda-ku, Tokyo, Japan**

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as

(Title) **MILK BEVERAGE**

(Case No. 1417-305)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed (on or has already filed in

(U.S. appln. Serial No. 09/532,024 , filed on **March 21, 2000**

(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s) .

Date March 31, 2000 Signature of inventor (Akihito Ogawa)

Date March 31, 2000 Signature of inventor (Toshiji Katsuragi)

Witnessed by: _____ Date _____

Witnessed by: _____ Date _____